
1100 CC	1 6 25 .
HSP 65 - M.T.	MAKTI AYDEEARRGL ERGINALADA
HSP 60 - RAT	MLRLPTVLRQ MRPVSRALAP HLTRAYAKDV KFGADARALM LOGVDLLADA
HSP 60 - HUMAN	MLRLPTVFRQ MRPVSRVLAP HLTRAYAKDV KFGADARALM LQGVDLLADA
Consensus	
000000000	ARGLADA
	26 75
HSP 65 - M.T.	VKVTLGPKGR NVVLEKKWGA PTTTNDGUST AKETELEDBY EVICE ELITED
HSP 60 - RAT	VAVTMGPKCR TVIIEQSWGS PKVTKDGVTV AKSIDLKDKY KNTGAKLVOD
HSP 60 - HUMAN	VAVTMGPKGR TVIIEQSWGS PKVTKDGVTV AKSIDLKDKY KNIGAKLVQD
Congana	
Consensus	V-VT-GPKGR -VEWG- PT-DGV AK-I-L-D-YIGA-LV
	(7/2) 50
	6-7(31-52 AA)
UCD CC 14 -	76 125
HSP 65 - M.T.	VAKKTDDVAG DGTTTATVLA QALVREGLRN VAAGANPLGL KRGIEKAVEK
HSP 60 - RAT	VANNTNEEAG DGTTTATVLA RSIAKEGFEK ISKGANPVEI RRGVMLAVDA
HSP 60 - HUMAN	VANNTNEEAG DGTTTATVLA RSIAKEGFEK ISKGANPVEI RRGVMLAVDA
Consensus	
	VATAG DGTTTATVLAEGGANPRGAV
	21 (121-136 AA)
	[21 (121-130 AA)]
	100
HSP 65 - M.T.	126
HSP 60 - RAT	VTETLLKGAK EVETKEQIAA TAAISA.GDQ SIGDLIAEAM DKVGNEGVIT
HSP 60 - HUMAN	VIAELEKQSK PVTTPEEIAQ VATISANGDK DIGNIISDAM KKVGRKGVIT
MANAGE - OD SEEL	VIASLKKQSK PVTTPEEIAQ VATISANGDK EIGNIISDAM KKVGRKGVIT
Consensus	VL-KK -V-T-E-IAA-ISA-GDIGIAM -KVGGVIT
	- TO-TISH-GD- TIG-TI-AM -KVGGVIT
	•
ven ee	175 224
HSP 65 - M.T.	VEESNTFGLQ LELTEGMRFD KGYISGYFVT DPERQEAVLE DPYILLVSSK
HSP 60 - RAT HSP 60 - HUMAN	VKDGKTINDE LEITEGMRFD RGYISPYFIN TSKGOKCEFO DAYVLISERK
nse ou - HUMAN	VKDGKTLNDE LEITEGMKFD RGYISPYFIN TSKGQKCEFQ DAYVLLSEKK
Consensus	Vers-Trans I.P. POW TD GUTG ID
	VT LEEGM-FD -GYIS-YFQ D-Y-LLK
	31 (181-196 AA) 36 (211-226 AA)
UCD CC	225 274
HSP 65 - M.T.	VSTVKDLLPL LEKVIGAGKP LLIIAEDVEG EALSTLVVNK IRGTPKSVAV
HSP 60 - RAT	ISSVQSIVPA LEIANAHRKP LVIIAEDVDG EALSTLVLNR LKVGLOVVAV
HSP 60 - HUMAN	ISSIQSIVPA LEIANAHRKP LVIIAEDVDG EALSTLVLNR LKVGLQVVAV
Consensus	
	-SP- LEKP L-IIAEDV-G EALSTLV-NVAV
	40 (236-251 AA) 45 (265-280 AA)

Fig. 1

HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	275. 323 KAPGFGDRRK AMLQDMAILT GGQVISEE.V GLTLENADLS LLGKARKVVV RAPGFGDNRK NQLKDMAIAT GGAVFGEEGL NLNLEDVQAH DLGKVGEVIV KAPGFGDRKL-DMAI-T GG-VEEL-LELGKV-V
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	373 TKDETTIVEG AGDTDAIAGR VAQIRQEIEN SDSDYDREKL QERLAKLAGG TKDDAMLLKG KGDKAHIEKR IQEITEQLDI TTSEYEKEKL NERLAKLSDG TKDDAMLLKG KGDKAQIEKR IQEIIEQLDV TTSEYEKEKL NERLAKLSDG TKDG -GDIRIS-YEKL -ERLAKLG
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN	374 VAVIKAGAAT EVELKERKHR IEDAVRNAKA AVEEGIVAGG GVTLLQAAPT VAVLKVGGTS DVEVNEKKDR VTDALNATRA AVEEGIVLGG GCALLRCIPA VAVLKVGGTS DVEVNEKKDR VTDALNATRA AVEEGIVLGG GCALLRCIPA VAV-K-GVEE-K-RDAA AVEEGIV-GG GLLP- 63 (373-388 AA)
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	424 LDELK.LEGD EATGANIVKV ALEAPLKQIA FNSGLEPGVV AEKVRNLPAG LDSLKPANED QKIGIEIIKR ALKIPAMTIA KNAGVEGSLI VEKILQSSSE LDSLTPANED QKIGIEIIKR TLKIPAMTIA KNAGVEGSLI VEKIMQSSSE LD-LDGI-KLPIA -N-G-EEK
	473 HGLNAQTGVY EDLLAAGVAD PVKVTRSALQ NAASIAGLFL TTEAVVADKP VGYDAMLGDF VNMVEKGIID PTKVVRTALL DAAGVAPLLT TAEAVVTEIP VGYDAMAGDF VNMVEKGIID PTKVVRTALL DAAGVASLLT TAEVVVTEIP -GAG P-KV-R-ALAAA-L T-E-VVP 84 (499-514 AA)
HSP 60 - RAT HSP 60 - HUMAN	523 540 EKEKASVPGG GDMGGMDF KEEKD. PGM GAMGGMGGGM GGGMF KEEKD. PGM GAMGGMGGGM GGGMFEKPG- G-MGGM

Fig. 1(continued)

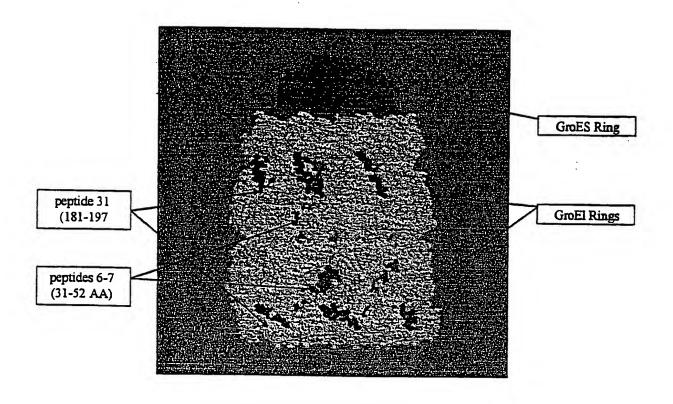


Fig. 2

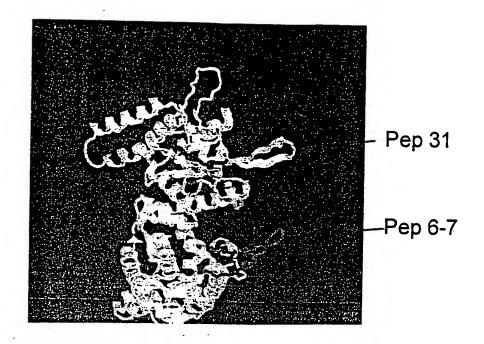


Fig. 3A

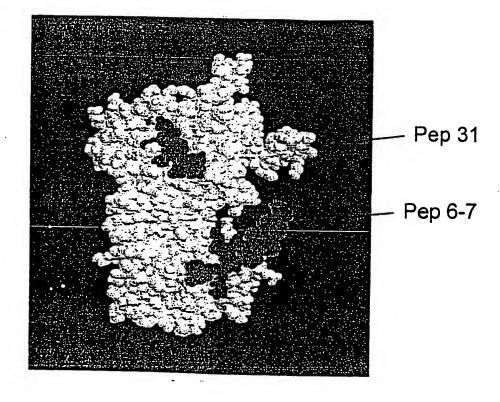
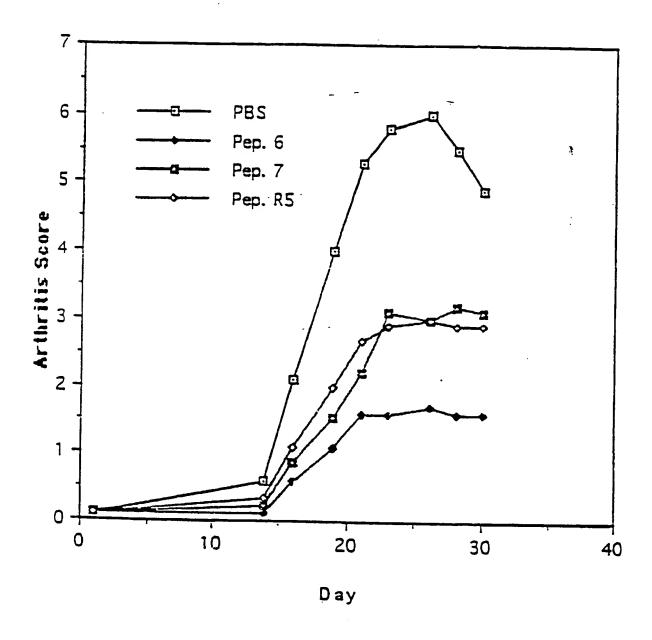


Fig. 3B



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Fig. 4

QSWGSPKVTKDGVTV

ITNDG

GAPT

V V L E K K W

IIE

T ×

데

G B

The "Protective" Motif

GPKGRNVVLEKKW HSP Peptide 6- (31-46) MT

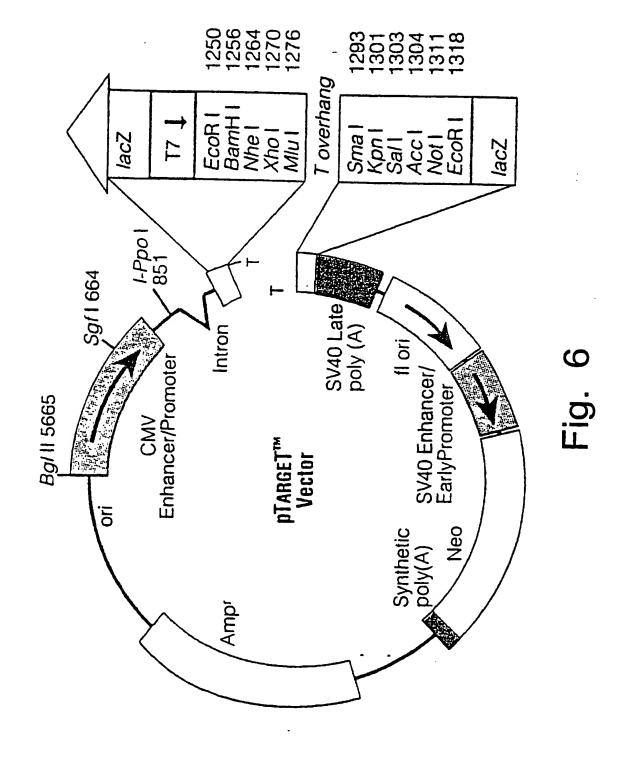
Rat HSP Peptide 5- (36-55)

G ≥ 田 » « **>**

Fig. 5

HSP Peptide 7- (37-52) MT

Common Motif



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